

## CLAIMS

1. A method for distributing a recreational application within a group of terminal arrangements, where the group comprises at least two terminal arrangements and each terminal arrangement comprises a terminal of a cellular radio system, the method comprising the steps of:

- transmitting from a first terminal arrangement to a second terminal arrangement a proposal for setting up a session of utilising a recreational application and  
 - only after the second terminal arrangement has received said proposal, using the communicational capabilities of at least one of the first and second terminal arrangements to establish a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a common, shared session of utilising said recreational application.

2. A method according to claim 1, comprising the steps of:

a) transmitting from the first terminal arrangement to the second terminal arrangement a proposal identifying a number of proposed recreational applications,  
 b) transmitting from the second terminal arrangement to the first terminal arrangement a request for obtaining a software component necessary for setting up a common, shared session of utilising one of said proposed recreational applications and  
 c) as a response to receiving said request in said first terminal arrangement, transmitting said software component from the first terminal arrangement to the second terminal arrangement.

3. A method according to claim 2, comprising, between steps a) and b), the step of presenting said number of proposed recreational applications to the user of the second terminal arrangement, so that step b) is only executed as a response to receiving from said user an indication of acceptance concerning one of said number of proposed recreational applications.

4. A method according to claim 2, wherein step c) comprises the substep of transmitting said software component from the first terminal arrangement to the second terminal arrangement through a local communication link.

5. A method according to claim 2, wherein step c) comprises the substep of transmitting said software component from the first terminal arrangement to the second terminal arrangement through the cellular radio system.

6. A method according to claim 2, comprising after step c) the steps of:

d) transmitting from the second terminal arrangement to the first terminal arrangement an acknowledgement indicating the reception of said software component and

5 e) after step d), indicating to the users of the first and second terminal arrangements the readiness of utilising the recreational application.

7. A method according to claim 1, comprising the steps of:

a) transmitting from the first terminal arrangement to the second terminal arrangement a proposal identifying a number of proposed recreational applications,

10 b) transmitting from the second terminal arrangement to a recreational application server a request for obtaining a software component necessary for setting up a common, shared session of utilising one of said proposed recreational applications and

15 c) as a response to receiving said request in said recreational application server, transmitting said software component from said recreational application server to the second terminal arrangement.

8. A method according to claim 7, comprising between steps a) and b) the step of presenting said number of proposed recreational applications to the user of the second terminal arrangement, so that step b) is only executed as a response to  
20 receiving from said user an indication of acceptance concerning one of said number of proposed recreational applications.

9. A method according to claim 7, comprising after step c) the steps of:

25 d) transmitting from the second terminal arrangement to the first terminal arrangement an acknowledgement indicating the reception of said software component and

e) after step d), indicating to the users of the first and second terminal arrangements the readiness of utilising the recreational application.

10. A method according to claim 1, comprising the steps of:

30 a) transmitting from the first terminal arrangement to the second terminal arrangement a proposal identifying a number of proposed recreational applications,

- b) transmitting from the second terminal arrangement to the first terminal arrangement a request for obtaining a software component necessary for setting up a common, shared session of utilising one of said proposed recreational applications,
- c) as a response to receiving said request in said first terminal arrangement,
- 5 transmitting a network address of a recreational application server from the first terminal arrangement to the second terminal arrangement,
- d) transmitting from the second terminal arrangement to said recreational application server a request for obtaining a software component necessary for setting up a common, shared session of utilising one of said proposed recreational
- 10 applications and
- e) as a response to receiving said request in said recreational application server, transmitting said software component from said recreational application server to the second terminal arrangement.
11. A method according to claim 10, comprising between steps a) and b) the step
- 15 of presenting said number of proposed recreational applications to the user of the second terminal arrangement, so that step b) is only executed as a response to receiving from said user an indication of acceptance concerning one of said number of proposed recreational applications.
12. A method according to claim 10, comprising after step e) the steps of:
- 20 f) transmitting from the second terminal arrangement to the first terminal arrangement an acknowledgement indicating the reception of said software component and
- g) after step f), indicating to the users of the first and second terminal arrangements the readiness of utilising the recreational application.
- 25 13. A method according to claim 1, comprising the steps of:
- a) transmitting from the first terminal arrangement to the second terminal arrangement a proposal identifying a number of proposed recreational applications,
- b) transmitting from the second terminal arrangement to the first terminal arrangement a request for obtaining a software component necessary for setting up a
- 30 common, shared session of utilising one of said proposed recreational applications,
- c) as a response to receiving said request in said first terminal arrangement, transmitting from the first terminal arrangement to a recreational application server a request for downloading into the second terminal arrangement a software

component necessary for setting up a common, shared session of utilising one of said proposed recreational applications and

- d) as a response to receiving said request in said recreational application server, transmitting said software component from said recreational application server to the second terminal arrangement.

14. A method according to claim 13, comprising between steps a) and b) the step of presenting said number of proposed recreational applications to the user of the second terminal arrangement, so that step b) is only executed as a response to receiving from said user an indication of acceptance concerning one of said number of proposed recreational applications.

15. A method according to claim 13, comprising after step d) the steps of:

- e) transmitting from the second terminal arrangement to the first terminal arrangement an acknowledgement indicating the reception of said software component and  
f) after step e), indicating to the users of the first and second terminal arrangements the readiness of utilising the recreational application.

16. A method according to claim 1, comprising the steps of:

- a) transmitting from the first terminal arrangement to the second terminal arrangement a proposal identifying a number of proposed recreational applications,  
b) transmitting from the second terminal arrangement to the first terminal arrangement a request for obtaining a software component necessary for setting up a common, shared session of utilising one of said proposed recreational applications,  
c) as a response to receiving said request in said first terminal arrangement, transmitting from the first terminal arrangement to a recreational application server a request for downloading into the first terminal arrangement a software component necessary for setting up a common, shared session of utilising said one of said proposed recreational applications,  
d) as a response to receiving said request in said recreational application server, transmitting said software component from said recreational application server to the first terminal arrangement and  
e) as a response to receiving said software component, transmitting from the first terminal arrangement to the second terminal arrangement a software component necessary for setting up a common, shared session of utilising said one of said proposed recreational applications.

17. A method according to claim 16, comprising between steps a) and b) the step of presenting said number of proposed recreational applications to the user of the second terminal arrangement, so that step b) is only executed as a response to receiving from said user an indication of acceptance concerning one of said number  
5 of proposed recreational applications.

18. A method according to claim 16, comprising after step e), the steps of:

f) transmitting from the second terminal arrangement to the first terminal arrangement an acknowledgement indicating the reception of said software component and

10 g) after step f), indicating to the users of the first and second terminal arrangements the readiness of utilising the recreational application.

19. A method according to claim 1, comprising the steps of:

a) transmitting from the first terminal arrangement to the second terminal arrangement a proposal identifying a number of proposed recreational applications,

15 b) transmitting from the second terminal arrangement to the first terminal arrangement a first acknowledgement indicating agreement to set up a common, shared session of utilising one of said proposed recreational applications,

c) transmitting from the first terminal arrangement to a recreational application server a first request for obtaining a software component necessary for setting up a common, shared session of utilising said one of said proposed recreational applications,  
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d) transmitting from the second terminal arrangement to a recreational application server a second request for obtaining a software component necessary for setting up a common, shared session of utilising said one of said proposed recreational applications,  
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e) as a response to receiving said first request in said recreational application server, transmitting the requested software component from said recreational application server to the first terminal arrangement,

f) as a response to receiving said second request in said recreational application server, transmitting the requested software component from said recreational application server to the second terminal arrangement and  
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g) exchanging a pair of messages between the first and second terminal arrangements indicating the readiness of utilising the recreational application.

20. A method according to claim 19, comprising between steps a) and b) the step of presenting said number of proposed recreational applications to the user of the second terminal arrangement, so that step b) is only executed as a response to receiving from said user an indication of acceptance concerning one of said number of proposed recreational applications.

21. A method according to claim 19, comprising after step g) the step of indicating to the users of the first and second terminal arrangements the readiness of utilising the recreational application.

22. A method according to claim 1, comprising the steps of:

- 10 a) transmitting from the first terminal arrangement to the second terminal arrangement a proposal for setting up a common, shared session of utilising a recreational application,
- b) transmitting from the second terminal arrangement to the first terminal arrangement a proposal identifying a number of proposed recreational applications,
- 15 c) transmitting from the first terminal arrangement to the second terminal arrangement a request for obtaining a software component necessary for setting up a common, shared session of utilising one of said proposed recreational applications and
- 20 d) as a response to receiving said request in said second terminal arrangement, transmitting said software component from the second terminal arrangement to the first terminal arrangement.

23. A method according to claim 22, comprising between steps b) and c) the step of presenting said number of proposed recreational applications to the user of the first terminal arrangement, so that step b) is only executed as a response to receiving from said user an indication of acceptance concerning one of said number of proposed recreational applications.

24. A method according to claim 22, comprising after step d) the step of indicating to the users of the first and second terminal arrangements the readiness of utilising the recreational application.

30 25. A method according to claim 1, **characterised** in that the step of using the communicational capabilities of at least one of the first and second terminal arrangements to establish a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a

common, shared session of utilising said recreational application comprises the substep of

- transmitting from the first terminal arrangement (1101) to the second terminal arrangement (1102) a complete copy (1105, 1106) of those software components (1103, 1104) which the first terminal uses for setting up a common, shared session of utilising said recreational application.

26. A method according to claim 1, wherein the step of using the communicational capabilities of at least one of the first and second terminal arrangements to establish a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a common, shared session of utilising said recreational application comprises the substep of

- transmitting from the first terminal arrangement to the second terminal arrangement a limited copy of those software components which the first terminal uses for setting up a common, shared session of utilising said recreational application, said limited copy being only usable for setting up a common, shared session of utilising said recreational application together with the particular first terminal arrangement in question.

27. A method according to claim 1, wherein the step of using the communicational capabilities of at least one of the first and second terminal arrangements to establish a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a common, shared session of utilising said recreational application comprises the substep of:

- transmitting from the first terminal arrangement to the second terminal arrangement a more advanced copy of those software components which the first terminal uses for setting up a common, shared session of utilising said recreational application.

28. A method according to claim 1, wherein the step of using the communicational capabilities of at least one of the first and second terminal arrangements to establish a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a common, shared session of utilising said recreational application comprises the substeps of:

- transmitting from the first terminal arrangement to the second terminal arrangement an authenticated offer for setting up a common, shared session of utilising said recreational application,
- forwarding said authenticated offer from the second terminal arrangement to a recreational application server, and
- transmitting from said recreational application server to the second terminal arrangement a limited copy of software components needed for setting up a common, shared session of utilising said recreational application, said limited copy being only usable for setting up a common, shared session of utilising said recreational application together with the particular first terminal arrangement in question.

29. A method according to claim 28, comprising the step of imposing a charge to the user of the first terminal arrangement for setting up a common, shared session of utilising said recreational application together with the particular second terminal arrangement in question.

30. A method according to claim 1, wherein the step of using the communicational capabilities of at least one of the first and second terminal arrangements to establish a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a common, shared session of utilising said recreational application comprises the substeps of:

- transmitting from the second terminal arrangement to the first terminal arrangement an authenticated offer for setting up a common, shared session of utilising said recreational application,
- forwarding said authenticated offer from the first terminal arrangement to a recreational application server, and
- transmitting from said recreational application server to the second terminal arrangement a copy of software components needed for setting up a common, shared session of utilising said recreational application.

31. A method according to claim 30, comprising the step of imposing a charge to the user of the second terminal arrangement for setting up a common, shared session of utilising said recreational application together with the particular first terminal arrangement in question.

32. A method according to claim 1, wherein the step of using the communicational capabilities of at least one of the first and second terminal arrangements to establish



a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a common, shared session of utilising said recreational application comprises the substeps of:

- 5 - transmitting from the second terminal arrangement to the first terminal arrangement an authenticated offer for setting up a common, shared session of utilising said recreational application,
- forwarding said authenticated offer from the first terminal arrangement to a recreational application server together with another authenticated offer from the first terminal arrangement for setting up a common, shared session of utilising said recreational application, and
- 10 - transmitting from said recreational application server to the terminal arrangements copies of software components needed for setting up a common, shared session of utilising said recreational application.

33. A method according to claim 32, comprising the step of imposing charges both to the user of the second terminal arrangement for setting up a common, shared session of utilising said recreational application together with the particular first terminal arrangement in question and to the user of the first terminal arrangement for setting up a common, shared session of utilising said recreational application together with the particular second terminal arrangement in question.

34. A method according to claim 1, wherein the step of using the communicational capabilities of at least one of the first and second terminal arrangements to establish a state where both the first terminal arrangement and the second terminal arrangement possess enough software components for setting up a common, shared session of utilising said recreational application comprises the substeps of:

- 25 - exchanging information between the first and second terminal arrangements through a short-distance communications connection during said common, shared session of utilising said recreational application, and
- after the exchanging of information between the first and second terminal arrangements through said short-distance communications connection becomes impossible, deeming the common, shared session of utilising said recreational application to be ended.
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35. A method according to claim 34, additionally comprising the substep of refraining from other exchange of information between the first and second terminal arrangements through said short-distance communications connection during said

common, shared session than such information that is needed to ensure that the short-distance communications connection is still active.

36. A terminal arrangement comprising a terminal of a cellular radio system, comprising

- 5 - means for exchanging proposals for setting up sessions of utilising a recreational application with other terminal arrangements and
- means for responding to a situation where such proposals have been exchanged by using its communicational capabilities to establish a state where both it and another terminal arrangement possess enough software components for setting up a
- 10 common, shared session of utilising said recreational application.